

Solbitach

Page 1 of 7 #5
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AD.

1632

RAW SEQUENCE LISTING DATE: 06/09/2000
PATENT APPLICATION: US/09/494,096 TIME: 12:33:29

Input Set : A:\Hs102c21.app
Output Set: N:\CRF3\06082000\I494096.raw

ENTERED

3 <110> APPLICANT: Bannon, Gary A.
4 Burks Jr., A. Wesley
5 Sampson, Hugh A.
6 Sosin, Howard B.
8 <120> TITLE OF INVENTION: Methods and Reagents for Decreasing Clinical Reactions
9 to Allergy
11 <130> FILE REFERENCE: HS 102 CIP (2)
13 <140> CURRENT APPLICATION NUMBER: 09/494,096
14 <141> CURRENT FILING DATE: 2000-01-28
16 <150> PRIOR APPLICATION NUMBER: 09/141,220
17 <151> PRIOR FILING DATE: 1998-08-27
19 <150> PRIOR APPLICATION NUMBER: 09/240,557
20 <151> PRIOR FILING DATE: 1999-01-29
22 <150> PRIOR APPLICATION NUMBER: 09/241,101
23 <151> PRIOR FILING DATE: 1999-01-29
25 <150> PRIOR APPLICATION NUMBER: 09/248,673
26 <151> PRIOR FILING DATE: 1999-02-11
28 <150> PRIOR APPLICATION NUMBER: 60/073,283
29 <151> PRIOR FILING DATE: 1998-01-29
31 <150> PRIOR APPLICATION NUMBER: 60/074,590
32 <151> PRIOR FILING DATE: 1998-02-13
34 <150> PRIOR APPLICATION NUMBER: 60/074,624
35 <151> PRIOR FILING DATE: 1998-02-13
37 <150> PRIOR APPLICATION NUMBER: 09/248,674
38 <151> PRIOR FILING DATE: 1999-02-11
40 <150> PRIOR APPLICATION NUMBER: 60/122,566
41 <151> PRIOR FILING DATE: 1999-03-02
43 <160> NUMBER OF SEQ ID NOS: 6
45 <170> SOFTWARE: PatentIn Ver. 2.1
47 <210> SEQ ID NO: 1
48 <211> LENGTH: 626
49 <212> TYPE: PRT
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59 Lys Thr Glu Asn Pro Cys Ala Gln Arg Cys Leu Gln Ser Cys Gln Gln
60 35 40 45
62 Glu Pro Asp Asp Leu Lys Gln Lys Ala Cys Glu Ser Arg Cys Thr Lys
63 50 55 60
65 Leu Glu Tyr Asp Pro Arg Leu Val Tyr Asp Pro Arg Gly His Thr Gly
66 65 70 75 80
68 Thr Thr Asn Gln Arg Ser Pro Pro Gly Glu Arg Thr Arg Gly Arg Gln
69 85 90 95
71 Pro Gly Asp Tyr Asp Asp Asp Arg Arg Gln Pro Arg Arg Glu Glu Gly

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78          130          135          140
80 Arg Lys Ile Arg Pro Glu Gly Arg Glu Gly Glu Gln Glu Trp Gly Thr
81 145          150          155          160
83 Pro Gly Ser His Val Arg Glu Glu Thr Ser Arg Asn Asn Pro Phe Tyr
84          165          170          175
86 Phe Pro Ser Arg Arg Phe Ser Thr Arg Tyr Gly Asn Gln Asn Gly Arg
87          180          185          190
89 Ile Arg Val Leu Gln Arg Phe Asp Gln Arg Ser Arg Gln Phe Gln Asn
90          195          200          205
92 Leu Gln Asn His Arg Ile Val Gln Ile Glu Ala Lys Pro Asn Thr Leu
93          210          215          220
95 Val Leu Pro Lys His Ala Asp Ala Asp Asn Ile Leu Val Ile Gln Gln
96 225          230          235          240
98 Gly Gln Ala Thr Val Thr Val Ala Asn Gly Asn Asn Arg Lys Ser Phe
99          245          250          255
101 Asn Leu Asp Glu Gly His Ala Leu Arg Ile Pro Ser Gly Phe Ile Ser
102          260          265          270
104 Tyr Ile Leu Asn Arg His Asp Asn Gln Asn Leu Arg Val Ala Lys Ile
105          275          280          285
107 Ser Met Pro Val Asn Thr Pro Gly Gln Phe Glu Asp Phe Phe Pro Ala
108          290          295          300
110 Ser Ser Arg Asp Gln Ser Ser Tyr Leu Gln Glu Phe Ser Arg Asn Thr
111 305          310          315          320
113 Leu Glu Ala Ala Phe Asn Ala Glu Phe Asn Glu Ile Arg Arg Val Leu
114          325          330          335
116 Leu Glu Glu Asn Ala Gly Gly Glu Gln Glu Glu Arg Gly Gln Arg Arg
117          340          345          350
119 Trp Ser Thr Arg Ser Ser Glu Asn Asn Glu Gly Val Ile Val Lys Val
120          355          360          365
122 Ser Lys Glu His Val Glu Glu Leu Thr Lys His Ala Lys Ser Val Ser
123          370          375          380
125 Lys Lys Gly Ser Glu Glu Glu Gly Asp Ile Thr Asn Pro Ile Asn Leu
126 385          390          395          400
128 Arg Glu Gly Glu Pro Asp Leu Ser Asn Asn Phe Gly Lys Leu Phe Glu
129          405          410          415
131 Val Lys Pro Asp Lys Lys Asn Pro Gln Leu Gln Asp Leu Asp Met Met
132          420          425          430
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137 Asn Ser Lys Ala Met Val Ile Val Val Val Asn Lys Gly Thr Gly Asn
138          450          455          460
140 Leu Glu Leu Val Ala Val Arg Lys Glu Gln Gln Gln Arg Gly Arg Arg
141 465          470          475          480
143 Glu Glu Glu Glu Asp Glu Asp Glu Glu Glu Gly Ser Asn Arg Glu
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149 Pro Ala Ala His Pro Val Ala Ile Asn Ala Ser Ser Glu Leu His Leu
150                               515           520           525
152 Leu Gly Phe Gly Ile Asn Ala Glu Asn Asn His Arg Ile Phe Leu Ala
153                               530           535           540
155 Gly Asp Lys Asp Asn Val Ile Asp Gln Ile Glu Lys Gln Ala Lys Asp
156 545                               550           555           560
158 Leu Ala Phe Pro Gly Ser Gly Glu Gln Val Glu Lys Leu Ile Lys Asn
159                               565           570           575
161 Gln Lys Glu Ser His Phe Val Ser Ala Arg Pro Gln Ser Gln Ser Gln
162                               580           585           590
164 Ser Pro Ser Ser Pro Glu Lys Glu Ser Pro Glu Lys Glu Asp Gln Glu
165                               595           600           605
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170 Phe Asn
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182 tgccaagtca tcaccttacc agaagaaaac agagaacccc tgcgcccaga ggtgcctcca 180
183 gagttgtcaa caggaaccgg atgacttgaa gcaaaaggca tgcgagtctc gctgcaccaa 240
184 gctcgagtat gatcctcgtt gtgtctatga tctctgagga cacactggca ccaccaacca 300
185 acgttccctt ccagggggagc ggacacgtgg ccgccaaccc ggagactacg atgatgaccg 360
186 ccgtcaaccc cgaagagagg aaggaggccg atggggacca gctggaccga gggagcgtga 420
187 aagagaagaa gactggagac aaccaagaga agattggagg cgaccaagtc atcagcagcc 480
188 acggaataata aggcccgagg gaagagaagg agaacaagag tggggaacac caggtagcca 540
189 tgtgagggaa gaaacatctc ggaacaaccc tttctacttc ccgtcaaggc ggtttagcac 600
190 ccgtacgggg aacaaaaacg gtaggatccg ggtcctgcag aggtttgacc aaaggtcaag 660
191 gcagtttcag aatctccaga atcaccgtat tgtgcagatc gaggccaaac ctaacactct 720
192 tgttcttccc aagcacgctg atgctgataa catccttggt atccagcaag ggcaagccac 780
193 cgtgaccgta gcaaatggca ataacagaaa gagctttaat cttgacgagg gccatgcact 840
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196 gagcagccga gaccaatcat cctacttgca gggcttcagc aggaatacgt tggaggccgc 1020
197 cttcaatgcg gaattcaatg agatacggag ggtgctgtta gaagagaatg caggagggtga 1080
198 gcaagaggag agagggcaga ggcgatggag tactcggagt agtgagaaca atgaaggagt 1140
199 gatagtcaaa gtgtcaagg agcacgttga agaacttact aagcacgcta aatccgtctc 1200
200 aaagaaaggc tccgaagaag agggagatat caccaaccca atcaacttga gagaaggcga 1260
201 gcccgatctt tctaacaact ttgggaagtt atttgagggt aagccagaca agaagaaccc 1320
202 ccagcttcag gacctggaca tgatgctcac ctgtgtagag atcaaaagaag gagctttgat 1380
203 gctccacac ttcaactcaa aggccatggt tatcgtcgtc gtcaacaaga gaactggaaa 1440
204 ccttgaactc gtggctgtaa gaaaagagca acaacagagg ggacggcggg aagaagagga 1500
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208 aggtgataag gacaatgtga tagaccagat agagaagcaa gcgaaggatt tagcattccc 1740
209 tgggtcgggt gaacaagttg agaagctcat caaaaaccag aaggaatctc actttgtgag 1800
210 tgctcgtcct caatctcaat ctcaatctcc gtcgtctcct gagaaagagt ctctgagaa 1860
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225 20 25 30
227 Gln Leu Glu Arg Ala Asn Leu Arg Pro Cys Glu Gln His Leu Met Gln
228 35 40 45
230 Lys Ile Gln Arg Asp Glu Asp Ser Tyr Glu Arg Asp Pro Tyr Ser Pro
231 50 55 60
233 Ser Gln Asp Pro Tyr Ser Pro Ser Pro Tyr Asp Arg Arg Gly Ala Gly
234 65 70 75 80
236 Ser Ser Gln His Gln Glu Arg Cys Cys Asn Glu Leu Asn Glu Phe Glu
237 85 90 95
239 Asn Asn Gln Arg Cys Met Cys Glu Ala Leu Gln Gln Ile Met Glu Asn
240 100 105 110
242 Gln Ser Asp Arg Leu Gln Gly Arg Gln Gln Glu Gln Gln Phe Lys Arg
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260 ccctgcgagc aacatctcat gcagaagatc caacgtgacg aggattcata tgaacgggac 180
261 ccgtacagcc ctatgcagga tccgtacagc cctagtccat atgatcggag aggcgctgga 240
262 tctctcagc accaagagag gtgttgcaat gagctgaacg agtttgagaa caaccaaagg 300
263 tgcatgtgag aggcattgca acagatcatg gagaaccaga gcgatagggt gcaggggagg 360
264 caacaggagc aacagttcaa gaggagctc aggaacttgc ctcaacagtg cggccttagg 420
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271 <213> ORGANISM: Arachis hypogaea

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281 35 40 45
283 Ala Leu Ser Arg Leu Val Leu Arg Arg Asn Ala Leu Arg Arg Pro Phe
284 50 55 60
286 Tyr Ser Asn Ala Pro Gln Glu Ile Phe Ile Gln Gln Gly Arg Gly Tyr
287 65 70 75 80
289 Phe Gly Leu Ile Phe Pro Gly Cys Pro Arg His Tyr Glu Glu Pro His
290 85 90 95
292 Thr Gln Gly Arg Arg Ser Gln Ser Gln Arg Pro Pro Arg Arg Leu Gln
293 100 105 110
295 Gly Glu Asp Gln Ser Gln Gln Gln Arg Asp Ser His Gln Lys Val His
296 115 120 125
298 Arg Phe Asp Glu Gly Asp Leu Ile Ala Val Pro Thr Gly Val Ala Phe
299 130 135 140
301 Trp Leu Tyr Asn Asp His Asp Thr Asp Val Val Ala Val Ser Leu Thr
302 145 150 155 160
304 Asp Thr Asn Asn Asn Asp Asn Gln Leu Asp Gln Phe Pro Arg Arg Phe
305 165 170 175
307 Asn Leu Ala Gly Asn Thr Glu Gln Glu Phe Leu Arg Tyr Gln Gln Gln
308 180 185 190
310 Ser Arg Gln Ser Arg Arg Arg Ser Leu Pro Tyr Ser Pro Tyr Ser Pro
311 195 200 205
313 Gln Ser Gln Pro Arg Gln Glu Glu Arg Glu Phe Ser Pro Arg Gly Gln
314 210 215 220
316 His Ser Arg Arg Glu Arg Ala Gly Gln Glu Glu Glu Asn Glu Gly Gly
317 225 230 235 240
319 Asn Ile Phe Ser Gly Phe Thr Pro Glu Phe Leu Glu Gln Ala Phe Gln
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323 260 265 270
325 Glu Glu Glu Gly Ala Ile Val Thr Val Arg Gly Gly Leu Arg Ile Leu
326 275 280 285
328 Ser Pro Asp Arg Lys Arg Arg Ala Asp Glu Glu Glu Glu Tyr Asp Glu
329 290 295 300
331 Asp Glu Tyr Glu Tyr Asp Glu Glu Asp Arg Arg Arg Gly Arg Gly Ser
332 305 310 315 320
334 Arg Gly Arg Gly Asn Gly Ile Glu Glu Thr Ile Cys Thr Ala Ser Ala
335 325 330 335
337 Lys Lys Asn Ile Gly Arg Asn Arg Ser Pro Asp Ile Tyr Asn Pro Gln
338 340 345 350
340 Ala Gly Ser Leu Lys Thr Ala Asn Asp Leu Asn Leu Leu Ile Leu Arg
341 355 360 365
343 Trp Leu Gly Leu Ser Ala Glu Tyr Gly Asn Leu Tyr Arg Asn Ala Leu
344 370 375 380

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